

CLAIMS

What is claimed is:

- 5 1. A method for producing a fine, highly crystalline material product, the method comprising fluid energy milling a crystalline material using a milling fluid comprising helium at reduced temperature.
2. A method according to claim 1 wherein the milling fluid consists of helium.
- 10 3. A method according to claim 1 wherein the temperature of the milling fluid is between -30⁰C and -120⁰C.
- 15 4. A method according to claim 3 wherein the temperature of the milling fluid is between -50⁰C and -70⁰C.
5. A method according to claim 1 wherein the crystalline material comprises a medicament powder.
- 20 6. A method according to claim 5 wherein the crystalline material is triamcinolone acetonide.
7. A method according to claim 1 wherein the product has an amorphous content of less than 5%.
- 25 8. A method according to claim 7 wherein the product has an amorphous content of less than 2%.
9. A method according to claim 8 wherein the product has an amorphous content of less than 1%.
- 30 10. A method according to claim 1 wherein the product comprises a medicament powder in a form suitable for inhalation.

11. A method according to claim 10 wherein the product has a median particle size of less than 10 microns.

12. A crystalline material containing substantially no amorphous content and having a median particle size of less than 2 microns.

13. A crystalline material according to claim 12 having a median particle size of about 1 micron.

14. A crystalline material according to claim 12 which is triamcinolone acetonide.

15. A crystalline material produced by a method according to claim 1.

16. A crystalline material according to claim 15 containing substantially no amorphous content and having a median particle size of less than 2 microns.